The official voice of the Air Force Research Laboratory
news@afrl
Lab Laurels
November 2002

AIAA names lab members as associate fellows

by Jill Bohn, AFRL Public Affairs, Anteon Contractor

WRIGHT-PATTERSON AIR FORCE BASE, Ohio — The Dayton-Cincinnati section of the American Institute of Aeronautics and Astronautics (AIAA) has named ten members from the Air Force Research Laboratory among its Associate Fellows for 2003.

The status of Associate Fellow is bestowed upon persons who have accomplished or been in charge of important engineering or scientific work, or who have done original work of outstanding merit, or who have otherwise made outstanding contributions to the arts, sciences or technology of aeronautics or astronautics.

AFRL represents ten of the 90 Institute members who will be inducted during the AIAA Foundation Associate Fellows Dinner on Jan. 6, 2002, in Reno, Nev.

Among those named is AFRL Commander Maj. Gen. Paul D. Nielsen. Nielsen directs the Air Force's $1.6 billion sciences and technology budget plus an additional $1.1 billion from the laboratory's customers. Approximately 5,200 people in the laboratory's component technology directorates and the Air Force Office of Scientific Research execute the science and technology programs. He is the Air Force's technology executive officer and determines the investment strategy for the full spectrum of Air Force sciences and technology activities.

Fellows from the Air Vehicles Directorate include:

Armarshi Bhungalia, Aerospace Engineer. Bhungalia supports the AFRL Reusable Military Launch System IPT team with developments in design and structural optimization of Thermal Protection System for a Space Access vehicle.

Gary Dale, UAV Focus Area Lead. Dale is the VA focal point for technology investments and planning in the areas of structures, controls and aerodynamics.

Dr. Deborah Grismer, Senior Technology Investment Planner. Grismer performs long-term planning of air vehicle technology programs to support sustainment, UAV and high-speed concept objectives for aerospace dominance.

Dr. Kenneth Iwanski, Deputy, Long Range Strike Integrating Concept Office. Iwanski is involved with the technology planning to provide concept options for future long-range strike systems.

Dr. Andrew Sparks, Senior Aerospace Engineer. Sparks is responsible for planning, conducting and coordinating research in systems, decision and control theory and its application to future Air Force air and space systems.

Dr. Carl Tilmann, senior Research Engineer in the Aerodynamic Configuration Branch. Tilmann conducts and manages basic and applied research programs in the areas of active flow control, aircraft wing design, adaptive structures, flexible wing tailoring.

Fellows from the Propulsion Directorate include:

Dr. Jamie Ervin, Professor of mechanical and aerospace engineering, Turbine Engine Division Fuels Branch. Ervin works on the low temperature behavior of jet fuel to improve the fuel's flowability and reduce fuel tank freezing at low temperatures.

Cynthia A. Obringer, Program Manager, Turbine Engine Division Fuels Branch. Obringer works on the low temperature behavior of jet fuel to improve the fuel's flowability and reduce fuel tank freezing at low temperatures.

Dr. Steven L. Puterbaugh, Aerospace Engineer in the Turbine Engine Division Fan & Compressor Branch. Puterbaugh directs the in-house research of turbine engine compressor technology.

Dr. Daniel J. Risha, Aerospace Propulsion Office. Risha plans, initiates, directs and conducts both in-house and contracted technical study efforts developing and applying computational fluid dynamics codes in the areas of chemical kinetics and highly turbulent flowfields for ramjets, scramjets, and advanced/combined cycle propulsion systems.

continued on page 2

continued from page 1

The induction ceremony is held during the 41st AIAA Aerospace Sciences Meeting and Exhibit. The Aerospace Sciences Meeting is the largest of the AIAA technical conferences and one of the preeminent technical gatherings within the entire spectrum of aerospace activities.

The AIAA and its predecessors have been the principal society of the aerospace engineer and scientist. Officially formed in 1963 through a merger of the American Rocket Society (ARS) and the Institute of Aerospace Sciences, the purpose was, and still is, "to advance the arts, sciences, and technology aeronautics and astronautics, and to promote the professionalism of those engaged in these pursuits." **@**